INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000031

1 CL COIPIC	'ATION OF SUBJECT MATTER				
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ G01N27/409, G01N27/41, G01N27/419, G01N27/416					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Int.Cl ⁷	nentation searched (classification system followed by cla G01N27/409, G01N27/41, G01N27	/419, G01N27/416	•		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app		Relevant to claim No.		
X	JP 2003-194764 A (NGK Spark E 09 July, 2003 (09.07.03), Par. Nos. [0028], [0032]; Fig (Family: none)		1,2,7		
A	JP 4-2959 A (Toyota Motor Cor 07 January, 1992 (07.01.92), Fig. 1 (Family: none)	rp.),	1-10		
A		9-229897 A 6178806 Bl	1-10		
Further documents are listed in the continuation of Box C. See patent family annex.			•		
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family Date of mailing of the international search report			
04 April, 2005 (04.04.05) 26 April, 2005 (26.04.05) Name and mailing address of the ISA/ Authorized officer					
	se Patent Office				
Faesimile No.		Telephone No.			

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PCT/JP2005/000031

		FCI/OFZ	005/000031
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	JP 2000-81412 A (NGK Spark Plug Co., Ltd 21 March, 2000 (21.03.00), Full text; Figs. 1 to 17 (Family: none)),	1-10
À	JP 11-271254 A (NGK Spark Plug Co., Ltd. 05 October, 1999 (05.10.99), Full text; Figs. 1 to 14 (Family: none)),	1-10
A	JP 8-15214 A (Robert Bosch GmbH.), 19 January, 1996 (19.01.96), Full text; Fig. 1 & DE 94010070 U & FR 2721764 A & IT 95500433 U		1-10
A	JP 10-332627 A (Unisia Jecs Corp.), 18 December, 1998 (18.12.98), Full text; Figs. 1 to 6 (Family: none)		1-10
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